

## ABSTRACT

A unique identification code (ID) is given to each appliance in each sub-network of a home network (HBS). An appliance out of use is deleted. The system can be automatically updated. One router is used as a parent router and only the router is made to manage the identification codes. The IDs include the IDs of the sub-networks and the IDs of the appliances in the sub-networks. Information about the year when an ID is given is given to the ID. After a certain period of time, the presence of each ID is checked. Each appliance has information about the grade of the system, and the information is utilized for updating the appliance having a router function when an appliance is newly installed.